

INFORMATION  
DISCLOSURE  
STATEMENT BY

Sheet 1 of 6

Application Number: 10/646,460  
Filing Date: August 22, 2003  
First Named Inventor: Kenneth COLLINS, et al.  
Group Art Unit: Unknown 1763  
Examiner Name: Unknown ARANCIBJA  
Attorney Docket Number: 008401 09

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Examiner Initials	Document No	Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date
WJP	US-2,344,138	03-14-1944	DRUMMOND	117	107	05-20-1940
WJP	US-3,109,100	10-29-1963	GECEWICZ	250	219	05-19-1960
WJP	US-3,576,685	04-27-1971	SWANN ET AL.	148	187	03-15-1968
WJP	US-3,907,616	09-23-1975	WIEMER	148	188	08-16-1974
WJP	US-4,116,791	09-26-1978	ZEGA	204	192	05-18-1977
WJP	US-4,382,099	05-03-1983	LEGGE ET AL.	427	34	10-26-1981
WJP	US-4,385,946	05-31-1983	FINEGAN ET AL.	148	175	06-19-1981
WJP	US-4,434,036	02-28-1984	HOERSCHELMANN ET AL.	204	164	05-03-1982
WJP	US-4,465,529	08-14-1984	ARIMA ET AL.	148	188	06-04-1982

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WJP	EP 0 546 852 A1	16.06.1993	EUROPE	CHARLES ZAROWIN ET AL.	N/A
WJP	EP 0 836 218 A2	15.04.1998	EUROPE	SERGIO EDELSTEIN ET AL.	N/A
WJP	EP 0 964 074 A2	15.12.1999	EUROPE	ALEC DENHOLM ET AL.	N/A
WJP	EP 1 111 084 A1	27.06.2001	EUROPE	JAMES BERNSTEIN ET AL.	N/A
WJP	EP 1 191 121 A1	27.03.2002	EUROPE	MICHELANGELO DELFINO	N/A

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WJP	Zhang, B.C., and Cross, R.C., "A high power radio frequency transformer for plasma production," Rev. Sci. Instrum., Vol. 69, No. 1, pp. 101-108, January 1998.
WJP	U.S. Patent Application Serial No.: 09/638,075, filed August 11, 2000, entitled, "EXTERNALLY EXCITED TORROIDAL PLASMA SOURCE," By Hiroji Hanawa, et al.

Examiner's Signature: *Manceo J. Arancibia* | Date Considered: 9/29/2005

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Application Number: 10/646,460  
Filing Date: August 22, 2003  
First Named Inventor: Kenneth COLLINS, et al.  
Group Art Unit: Unknown 1763  
Examiner Name: Unknown ARANCIBIA, M.G.  
Attorney Docket Number: 008401 09

U. S. PATENT DOCUMENTS

Examiner Initials	Document No	Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date
WJR	US-4,481,229	11-06-1984	SUZUKI ET AL.	427	38	06-20-1983
WJR	US-4,500,563	02-19-1985	ELLENBERGER ET AL.	427	38	12-15-1982
WJR	US-4,521,441	06-04-1985	FLOWERS	427	38	12-19-1983
WJR	US-4,539,217	09-03-1985	FARLEY	427	10	06-27-1984
WJR	US-4,565,588	01-21-1986	SEKI ET AL.	148	186	10-10-1984
WJR	US-4,698,104	10-06-1987	BARKER ET AL.	437	141	03-02-1987
WJR	US-4,764,394	08-16-1988	CONRAD	427	38	01-20-1987
WJR	US-4,778,561	10-18-1988	GHANBARI	156	643	10-30-1987
WJR	US-4,867,859	09-19-1989	HARADA ET AL.	204	298	08-04-1987
WJR	US-4,871,421	10-03-1989	OGLE ET AL.	156	643	09-15-1988
WJR	US-4,912,065	05-27-1990	MIZUNO ET AL.	437	141	05-26-1988
WJR	US-4,937,205	06-26-1990	NAKAYAMA ET AL.	437	165	08-04-1988
WJR	US-4,948,458	08-14-1990	OGLE	156	643	08-14-1990
WJR	US-5,061,838	10-29-1991	LANE ET AL.	219	121.59	06-23-1989

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	JP 59-218728	10.12.1984	JAPAN	UNKNOWN	NO
	JP 59-80214	10.5.1984	JAPAN	UNKNOWN	NO
	JP 62-120041	1.6.1987	JAPAN	UNKNOWN	NO
WJR	WO 93/18201	16.09.2003	WIPO	FELCH ET AL.	N/A

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	

Examiner's Signature: *Manuel S. Chanon*

Date Considered: 9/29/2005

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Application Number: 10/646,460  
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First Named Inventor: Kenneth COLLINS, et al.  
Group Art Unit: ~~Unknown~~ 1703  
Examiner Name: ~~Unknown~~ ARANCIBIA, M.G.  
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Examiner Initials	Document No	Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date
<i>MJR</i>	US-5,106,827	04-21-1992	BORDEN ET AL.	505	1	02-05-1991
<i>MJR</i>	US-5,107,201	04-21-1992	OGLE	324	72.5	12-11-1990
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<i>MJR</i>	US-5,277,751	01-11-1994	OGLE	156	643	06-18-1992
<i>MJR</i>	US-5,290,382	03-01-1994	ZAROWIN ET AL.	156	345	12-13-1991
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<i>MJR</i>	US-5,435,881	07-25-1995	OGLE	156	345	03-17-1994
<i>MJR</i>	US-5,505,780	04-09-1996	DALVIE ET AL.	118	723	03-18-1992
<i>MJR</i>	US-5,514,603	05-07-1996	SATO	437	16	05-06-1994
<i>MJR</i>	US-5,520,209	05-28-1996	GOINS ET AL.	137	246	12-03-1993
<i>MJR</i>	US-5,542,559	08-06-1996	KAWAKAMI ET AL.	216	67	02-14-1994
<i>MJR</i>	US-5,561,072	10-01-1996	SAITO	437	24	11-21-1994
<i>MJR</i>	US-5,569,363	10-29-1996	BAYER ET AL.	204	192.32	10-25-1994
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<i>MJR</i>	WO 99/00832 <sup>23</sup>	07.01.1999	WIPO	DONALD SMITH ET AL.	N/A
<i>MJR</i>	WO 01/11650A1	15.02.2001	WIPO	LEONARD MAHONEY ET AL.	N/A
<i>MJR</i>	WO 02/25694 A2	28.03.2002	WIPO	JAMES BERNSTEIN ET AL.	N/A

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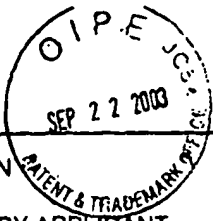
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Examiner's Signature: *Mameen J. Chandel*

Date Considered: 9/29/05

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Examiner Name: ~~Unknown~~ ARANCIBIA, M.G.  
Attorney Docket Number: 008401 09

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<i>WJP</i>	US-5,587,038	12-24-1996	CECCHI ET AL.	156	345	06-16-1994
<i>WJP</i>	US-5,627,435	05-06-1997	JANSEN ET AL.	315	111.21	02-15-1996
<i>WJP</i>	US-5,648,701	06-15-1997	HOOKE ET AL.	315	111.21	06-28-1994
<i>WJP</i>	US-5,654,043	08-05-1997	SHAO ET AL.	427	527	10-10-1996
<i>WJP</i>	US-5,674,321	10-07-1997	PU ET AL.	118	723	04-28-1995
<i>WJP</i>	US-5,683,517	11-04-1997	SHAN	118	723	06-07-1995
<i>WJP</i>	US-5,711,812	01-27-1998	CHAPEK ET AL.	118	723	06-06-1995
<i>WJP</i>	US-5,718,798	02-17-1998	DEREGIBUS	156	429	04-10-1996
<i>WJP</i>	US-5,770,982	06-23-1998	MOORE	333	32	10-29-1996
<i>WJP</i>	US-5,897,752	04-27-1999	HONG ET AL.	204	192.12	05-20-1997
<i>WJP</i>	US-5,911,832	06-15-1999	DENHOLM ET AL.	118	723	01-09-1997
<i>WJP</i>	US-5,935,077	08-10-1999	OGLE	600	504	08-14-1997
<i>WJP</i>	US-5,944,942	08-31-1999	OGLE	156	345	03-04-1998
<i>WJP</i>	US-5,948,168	09-07-1999	SHAN ET AL.	118	723	10-09-1997
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## NON PATENT LITERATURE DOCUMENTS

Examiner Initials	

Examiner's Signature: *Maurice S. Chancé*Date Considered: *9/29/2005*

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT  Sheet 5 of 6	Application Number:	10/646,460
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	Group Art Unit:	Unknown 1763
	Examiner Name:	Unknown ARANCIBIA, M.G.
Attorney Docket Number: 008401 09		

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Examiner Initials	Document No	Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date
WOP	US-5,994,236	11-30-1999	OGLE	438	728	01-23-1998
WOP	US-5,998,933	12-07-1999	SHUN'KO	315	11.51	04-06-1998
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WOP	US-6,041,735	03-28-2000	MURZIN ET AL.	118	723	03-02-1998
WOP	US-6,050,218	04-18-2000	CHEN ET AL.	118	723	09-28-1998
WOP	US-6,076,483	06-20-2000	SHINTANI ET AL.	118	723	03-26-1998
WOP	US-6,101,971	08-15-2000	DENHOLM ET AL.	118	723	12-22-1998
WOP	US-6,132,552	10-17-2000	DONOHUE ET AL.	156	345	02-19-1998
WOP	US-6,150,628	11-21-2000	SMITH ET AL.	219	121.54	06-26-1997
WOP	US-6,164,241	12-26-2000	CHEN ET AL.	118	723	06-30-1998
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WOP	US-6,182,604 B1	02-06-2001	GOECKNER ET AL.	118	723	10-27-1999
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WOP	US-6,239,553 B1	05-29-2001	BARNES ET AL.	315	111.51	04-22-1999
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Foreign Patent Document	Publication Date	Country	Name of Patentee or Applicant of Cited Document	Translation? (Yes/No/n/a)

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	

Examiner's Signature: <u>Maurice J. Francis</u>	Date Considered: <u>9/29/05</u>
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INFORMATIONAL  
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STATEMENT BY APPLICANT

Sheet 6 of 6

Application Number: 10/646,460  
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First Named Inventor: Kenneth COLLINS, et al.  
Group Art Unit: ~~Unknown~~ 1763  
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U. S. PATENT DOCUMENTS

Examiner Initials	Document No	Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date
MWZ	US-6,300,643 B1	10-09-2001	FANG ET AL.	250	492.21	12-06-1999
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MWZ	US-6,335,536 B1	01-01-2002	GOECKNER ET AL.	250	492.3	10-27-1999
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MWZ	US-6,341,574 B1	01-29-2002	BAILEY III ET AL.	118	723	11-15-1999
MWZ	US-6,348,126 B1	02-19-2002	HANAWA ET AL.	156	345	08-11-2000
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MWZ	US-6,410,449 B1	07-25-2002	HANAWA ET AL.	438	706	08-11-2000
MWZ	US-6,418,874 B1	07-16-2002	COX ET AL.	118	723	05-25-2000
MWZ	US-6,433,553 B1	08-13-2002	GOECKNER ET AL.	324	464	10-27-1999
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Examiner's Signature:

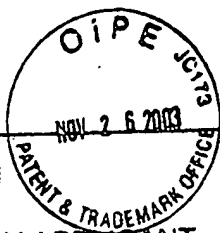
*Maurice J. Hancock*

Date Considered:

9/29/03

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First Named Inventor: Kenneth COLLINS, et al.  
Group Art Unit: Unknown 1763  
Examiner Name: Unknown ARANCIBIA, M.G.  
Attorney Docket Number: 6915 P09

U. S. PATENT DOCUMENTS

Examiner Initials	Document No	Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date
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WJR	US-5,985,742	11-16-1999	HENLEY ET AL.	438	515	02-18-1998
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WJR	US-6,155,090	12-05-2000	RUBENSSON	70	367	10-30-1997
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WJR	US-6,248,642 B1	06-19-2001	DOLAN ET AL.	438	407	06-24-1999
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WJR	US-6,291,313 B1	09-18-2001	HENLEY ET AL.	438	458	05-18-1999
WJR	US-6,511,899 B1	01-28-2003	HENLEY ET AL.	438	515	05-06-1999
WJR	US-6,417,078	07-09-2002	DOLAN ET AL.	438	407	12-21-2000
WJR	US-6,528,391 B1	03-04-2003	HENLEY ET AL.	438	459	05-21-1999
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Examiner's Signature: *Mamee Arancibia*

Date Considered: 9/29/05

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MJR	US-5,040,046	08-13-1991	CHHABRA ET AL.	357	54	10-09-1990
MJR	US-5,643,838	07-01-1997	DEAN ET AL.	437	238	09-03-1993
MJR	US-5,660,895	08-26-1997	LEE ET AL.	427	579	04-24-1996
MJR	US-5,888,413	03-30-1999	OKUMURA ET AL.	216	68	05-30-1996
MJR	US-6,096,661	08-01-2000	NGO ET AL.	438	788	12-15-1998
MJR	US-6,174,450 B1	01-16-2001	PATRICK ET AL.	216	61	04-16-1997
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Examiner's Signature: *Muneer P. Chaudhry*

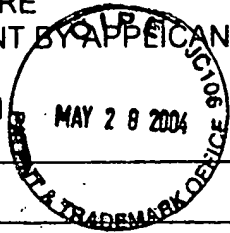
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MJR	US-5,074,456	12-24-1991	DEGNER ET AL.	228	121	09-18-1990
WJD	US-5,653,811	08-05-1997	CHAN	118	723	07-19-1995
MJR	US-6,000,360	12-14-1990	KOSHIMUZU	118	723	07-02-1997
YMR	US-6,392,351 B1	05-21-2002	SHUNKO	315	111.51	05-03-1999
WJD	US-6,679,981 B1	01-20-2004	PAN ET AL.	204	298.06	05-11-2000

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Examiner's Signature: <i>Maurice Arancoria</i>	Date Considered: 9/29/05
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U. S. PATENT DOCUMENTS

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Examiner's Signature: \_\_\_\_\_

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Filing Date: August 22, 2003  
First Named Inventor: Kenneth Collins, et al.  
Group Art Unit: 1763  
Examiner Name: ~~Unknown~~ ARANCIBIA, MG  
Attorney Docket Number: 006915 P09

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Examiner's Signature: *Manner P. Francis*

Date Considered: 9/29/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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